

# Ruoyu Chen

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## EDUCATION

2023– Ph.D. Candidate in Urban Planning and Development  
Committee: Marlon Boarnet (Chair), Jorge De la Roca, Geoff Boeing  
University of Southern California, Sol Price School of Public Policy

2020–23 M.S. (*distinction*) in Geography (Urban and Regional Planning), Advisor: Jiawen Yang  
Peking University, China

2015–20 B.E. (*distinction*) in Urban and Rural Planning and Minor in Economics  
Huazhong University of Science and Technology, China

2022 Visiting Graduate Student, Nanyang Technological University, Singapore

2018 Summer School Student, Delft University of Technology, The Netherland

## PUBLICATIONS

### Peer-reviewed Articles

2025 R. Turner [et al., 21 co-authors including **R. Chen**.] “Development and validation of the Global Urban Heat Vulnerability Index (GUHVI)”. *Urban Climate*, 64, 102716.

2025 R. Turner [et al., 23 co-authors including **R. Chen**.] “Internationally validated open access indicators of large public urban green space for healthy and sustainable cities”. *Geographical Analysis*, 57 (4), 793–808.

2023 **R. Chen**, M. Zhang, and J. Zhou. “Jobs-housing relationships before and amid COVID-19: An excess-commuting approach”. *Journal of Transport Geography*, 106, 103507.

2023 S. Wang, L. Zhao, M. Zhang, **R. Chen**, and S. Liang “Effects of built environment on bus trip rates under rail transit competition”. *Journal of Urban Planning and Development*, 149 (1), 04022059.

2022 **R. Chen** and J. Zhou “Fare Adjustment’s Impacts on Travel Patterns and Farebox Revenue: An Empirical Study Based on Longitudinal Smartcard Data”. *Transportation Research Part A: Policy and Practice*, 164, 111–133.

2022 L. Zhao, S. Wang, J. Wei, and **R. Chen** “Impacts of land use on urban road network vulnerability—A case study in Wuhan”. *Journal of Urban Planning and Development*, 148 (3), 04022032.

### Under Review

2025 G. Boeing, J. Kim, D. Simon-Thompson, J. Ha, **R. Chen**. “Choose Your Own Adventure: How Data Source Selection Shapes Urban Accessibility Analyses”.

2025 M. Zhang, A. Leung, L. Cheah, **R. Chen**, M. Burke. “Funding on the Line? Understanding community preferences for value capture – the case of Melbourne’s Suburban Rail Loop”.

### Other Publications

2024 M. G. Boarnet, G. Giuliano, C. Pilgram, **R. Chen**, and Q. Shao. “Navigating California’s Transition to Zero-Emission Drayage Trucks”. *Los Angeles Business Council Institute*.

### Selected Work in Progress

2025 “City size and moves to similar neighborhoods”.

2025 “Effects of electric vehicle adoption on urban mobility”. (with H. Liu & M. Zhou).

2025 “The geography of vehicular emission in the United States”. (with D. Simon-Thompson & G. Boeing).

## GRANTS AND AWARDS

### Competitive Grants, Fellowships, and Awards

2023-27 Provost Fellowship (stipend and tuition waiver), University of Southern California.  
2022 Yang Jinfang Scholarship For Study Abroad, Peking University.  
2019 Second Prize in Urban Modeling of Ecological Footprint, Wuhan City Simulation Lab.  
2019 Best Student Paper Award, International Association for China Planning.  
2018 National Encouragement Scholarship, Ministry of Education of China.  
2018 Merit Student Scholarship. Huazhong University of Science and Technology.

### Honors

2022 Award for Merit Student, Peking University.  
2021 Award for Academic Excellence, Peking University.  
2021 Best Poster Award, World Transport Convention.

## PRESENTATIONS

### Invited Talks

2025 Guest speaker in Principles of Spatial Data Analysis, Instructor: An-Min Wu, Los Angeles. Mar 14.

### Conference<sup>1</sup>

2025 PSR Annual Congress, *Association of Collegiate Schools of Planning Annual Conference, International Association for China Planning Conference*  
2024 International Association for China Planning Conference  
2022 International Association for China Planning Conference  
2021 World Transport Convention (Best Poster Award)  
2019 International Association for China Planning Conference (Best Student Paper Award)

## PEER REVIEW

Transport Policy<sup>1</sup>, Travel Behaviour and Society<sup>2</sup>, Journal of Economic and Human Geography<sup>1</sup>, Journal of Transport Geography<sup>1</sup>, Sustainable Cities and Society<sup>3</sup>, Habitat International<sup>2</sup>

## MEMBERSHIPS

APPAM, IACP

## PROFESSIONAL EMPLOYMENT

2020 Data Analyst Intern, Smart City Research Institute, Shenzhen, China  
2019 Spatial Analyst Intern, China Academy of Urban Planning and Design, Shenzhen, China

## OTHERS

Tools Python, Stata, QGIS, L<sup>A</sup>T<sub>E</sub>X, Git, R, ArcGIS, AutoCAD, and Sketchup.

Updated December 2025, check the latest version [here](#).

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<sup>1</sup>Italicized if presented by co-authors.